

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2019 Levee Inspection Results

Sacramento Maintenance Yard Putah Creek

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2019 Levee Inspection Results

Sacramento Maintenance Yard Putah Creek

Waterway			Bank	Unit Miles
Unit No. 01 Putah Creek or North Levee			Left	8.79
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/18/2019 - 4/18/2019			
DWR Inspector	David Julian			
Accompanied By	James McCabe DWR Sacramento Maintenance Yard			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start		Rating **	A	Issue No.	25
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_ST0007_01_s_2013_25				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has a copy of the O&M Manual.					

No Photos

LM Start		Rating **	A	Issue No.	26
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_ST0007_01_s_2013_26				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has adequate emergency supplies stored.					

No Photos

LM Start		Rating **	A	Issue No.	27
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_ST0007_01_s_2013_27				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard trains yearly for flood fighting.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	0.02	Rating **	M	Issue No.	33
LM End	6.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.523310 °	38.517630 °
				-121.631452 °	-121.749962 °
DWR ID	DWR_ST0007_01_s_2019_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain the annual vegetation.					

Photo 1 of 1 : SP_2019_ST0007_282_33_20190418_00069.jpg



View looking upstream at annual vegetation on the landside slope (Spring 2019).

LM Start	0.02	Rating **	U	Issue No.	36
LM End	4.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.523310 °	38.518031 °
				-121.631453 °	-121.713905 °
DWR ID	DWR_ST0007_01_s_2019_36				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain the annual vegetation.					

Photo 1 of 1 : SP_2019_ST0007_282_36_20190418_00068.jpg



View looking upstream at annual vegetation on the waterside slope (Spring 2019).

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	0.58	Rating **	A/W	Issue No.	57
LM End	0.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.519660 °	38.519660 °
				-121.638820 °	-121.638820 °
DWR ID	488				
Comment Code					
Inspector Comment					
FS_ID:33408 DS_ID:488 EP_NO: 10261 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch drainage pipe of unknown material through the levee, 12.5 feet below the crown. Slide gate is located on the waterside (WS) end. Concrete headwall is located on the WS. (24-inch pipe [HLM 0.58] authorized under Automatic Board Order (ABO) issued as Permit No. 10261, 1974 - Tufts) [Additional Reference(s): DWR Levee Log, 1981 and 2005. USACE Sacramento O&M Manual Unit 119, December 1952, (Station XX+XX)] FS Date: 4/10/2014 2:49:52 PM					

Photo 1 of 3 : UCIP_SP_2019_33408_60493.jpg



WS slide gate and headwall

LM Start	0.58	Rating **	A/W	Issue No.	57 (cont)
LM End	0.58	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2019_33408_60495.jpg



LS pump and appurtenances

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	0.58	Rating **	A/W	Issue No.	57 (cont)	
LM End	0.58	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.519660 °		38.519660 °
				-121.638820 °		-121.638820 °
DWR ID	488					
Comment Code						
Inspector Comment						
FS_ID:33408 DS_ID:488 EP_NO: 10261 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch drainage pipe of unknown material through the levee, 12.5 feet below the crown. Slide gate is located on the waterside (WS) end. Concrete headwall is located on the WS. (24-inch pipe [HLM 0.58] authorized under Automatic Board Order (ABO) issued as Permit No. 10261, 1974 - Tufts) [Additional Reference(s): DWR Levee Log, 1981 and 2005. USACE Sacramento O&M Manual Unit 119, December 1952, (Station XX+XX)] FS Date: 4/10/2014 2:49:52 PM						

Photo 3 of 3 : UCIP_SP_2019_33408_60494.jpg



LS pump and appurtenances

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	1.15	Rating **	M	Issue No.	58 (cont)	
LM End	1.15	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.517110 °	38.517110 °	
				-121.648844 °	-121.648844 °	
DWR ID	489					
Comment Code						
Inspector Comment						
FS_ID:48122 DS_ID:489 EP_NO: 10262 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump is disconnected from pipe and could cause backflow at highwater event. Can't see size of pipe sleeved through 24-inch pipe. FIELD_STRUCT_DESC: 18-inch steel irrigation pipe (field verified not 16-inch) sleeved through existing 24-inch drainage steel pipe through levee, 12.5 feet below the crown. Annular space sealed at both the waterside (WS) and landside (LS) ends. Concrete headwalls are located on both the WS and LS ends. PVC sleeved December of 2007 (unknown source). (16-inch pipe sleeved through 24-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10262, 1974 - Wells Fargo Bank, Trustee for S.H. Cowell Foundation) [Additional Reference(s): DWR Levee Log, March 2007. USACE Sacramento O&M Manual 119, December 1952] FS Date: 4/10/2014 2:48:00 PM						

Photo 3 of 3 : UCIP_SP_2019_48122_60482.jpg



Butterfly valve at LS toe

LM Start	1.52	Rating **	M	Issue No.	10
LM End	2.67	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.515258 °	38.517376 °
				-121.655107 °	-121.676054 °
DWR ID	DWR_ST0007_01_s_2012_10				
Comment Code					
DT : Ditch					
Inspector Comment					
This agriculture ditch is owned by Dos Rios Farms					

Photo 1 of 1 : SP_2019_ST0007_282_10_20190311_00004.jpg



View of agriculture ditch within 10-foot of levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	2.13	Rating **	M	Issue No.	59	
LM End	2.13	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.515739 °	38.515739 °	
				-121.666432 °	-121.666432 °	
DWR ID	491					
Comment Code						
Inspector Comment						
FS_ID:43033 DS_ID:491 EP_NO: 10262 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/21/2017 Pipe was permitted as an irrigation structure under ABO issued as Permit No. 10262. (DWR UCIP - O. Magana) 04/03/2012 Pipe has significant rust and exfoliation of metal showing at ends. Reccomend video inspection. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch irrigation pipe of unknown material through levee, 15.5 feet below crown. Slide gate is located on the waterside (WS) end. Concrete headwall is located on the landside (LS) end. (24-inch pipe [HLM 2.17] authorized under Automatic Board Order (ABO) issued as Permit No. 10262, 1974 - Wells Fargo Bank, Trustee for S.H. Cowell Foundation) [Additional Reference(s): DWR Levee Log, 1981 and 2005. USACE Sacramento O&M Manual Unit 119, December 1952, (Station XX+XX)] FS Date: 4/10/2014 2:45:00 PM						

Photo 1 of 3 : UCIP_SP_2019_43033_60465.jpg



LS headwall

LM Start	2.13	Rating **	M	Issue No.	59 (cont)
LM End	2.13	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_43033_60467.jpg



LS distribution box

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Spring 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	2.72	Rating **	A/W	Issue No.	60 (cont)
LM End	2.72	Issue Type +	Ma	Location *	

A photograph of a hand-dug well. The well is lined with concrete blocks. A metal frame is positioned over the opening, with a bucket hanging from it. The well is situated in a sandy area with some sparse vegetation.

A photograph of a concrete drainage structure, possibly a catch basin or a culvert entrance, which is partially obscured by a large pile of dry, brown leaves. The structure is a light-colored concrete with a circular opening. The surrounding area is covered with grass and some small stones.

LS headwall

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	3.05	Rating **	M	Issue No.	35
LM End	3.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.519205 °	38.519205 °
				-121.682618 °	-121.682618 °
DWR ID	DWR_ST0007_01_s_2018_35				
Comment Code					
EQ : Equipment					
Inspector Comment					
Ag equipment and cut wood pile should be removed from LS toe to allow inspection and access.					

Photo 1 of 1 : SP_2019_ST0007_282_35_20190311_00008.jpg



Ag equipment and wood pile at levee toe should be removed to allow inspection and access.

LM Start	3.22	Rating **	M	Issue No.	61	
LM End	3.22	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.519731 °	38.519731 °	
				-121.685681 °	-121.685681 °	
DWR ID	16849					
Comment Code						
Inspector Comment						
FS_ID:48013						
DS_ID:16849						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Old pipe and concrete hauled to county dump.						
Evidence of the 14-inch pipe is no longer present at site. See new picture.						
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 12 feet below the crown. Pipe terminates at standpipe located on the waterside (WS) approximately 500 feet south of levee. Mobile pumping plant is located in the floodway at edge of stream 740 feet south of levee.						
FS Date: 4/10/2014 2:42:00 PM						

Photo 1 of 3 : UCIP_SP_2019_48013_60451.jpg



Filter Plant on LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	3.22	Rating **	M	Issue No.	61 (cont)	
LM End	3.22	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.519731 °		38.519731 °
				-121.685681 °		-121.685681 °
DWR ID	16849					
Comment Code						
Inspector Comment						
FS_ID:48013 DS_ID:16849 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Old pipe and concrete hauled to county dump. Evidence of the 14-inch pipe is no longer present at site. See new picture. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 12 feet below the crown. Pipe terminates at standpipe located on the waterside (WS) approximately 500 feet south of levee. Mobile pumping plant is located in the floodway at edge of stream 740 feet south of levee. FS Date: 4/10/2014 2:42:00 PM						

LM Start	3.22	Rating **	M	Issue No.	61 (cont)
LM End	3.22	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_48013_60448.jpg



Steel Standpipe at 10-inch pipe termination 500-feet south of levee

Photo 3 of 3 : UCIP_SP_2019_48013_60450.jpg



10-inch pipe at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sacramento Maintenance Yard Putah Creek

Wire fence within the 10-foot easement waterside levee toe.

WS toe at T handle. No access to pipe.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	3.80	Rating **	U	Issue No.	62 (cont)	
LM End	3.80	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.519790 °	38.519790 °	
				-121.695450 °	-121.695450 °	
DWR ID	496					
Comment Code						
Inspector Comment						
FS_ID:53863 DS_ID:496 EP_NO: 10251 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/10/2019 Major erosion through out pipe. Erosion on WS allows water to enter pipe and flood LS field. Erosion on farmers waterman valve. Field water drains into pipe and floods LS field. (J.McCabe DWR Sacramento Yard) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through levee, 15 feet below the crown. Two metal cutoff walls were installed through the levee. A T-post and T-handle are located on the landside (LS) toe. The outfall structure and flap gate are located on the west side of bridge, waterside (WS). (24-inch pipe [HLM 3.87] authorized under Automatic Board Order (ABO) issued as Permit No. 10251, 1974 - F.M.C. Corp.) [Additional Reference(s): DWR Levee Log, 1981 and 2005. USACE Sacramento O&M Manual Unit 119, December 1952, (Station XX+XX)] FS Date: 4/9/2019 9:31:57 AM						

Photo 2 of 3 : UCIP_SP_2019_53863_60441.jpg



LS headwall and pipe

LM Start	3.80	Rating **	U	Issue No.	62 (cont)
LM End	3.80	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2019_53863_60440.jpg



Outfall at creek with flap gate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	4.05	Rating **	A/W	Issue No.	63
LM End	4.05	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.518685 °	38.518685 °
				-121.699835 °	-121.699835 °
DWR ID	497				
Comment Code					
Inspector Comment					
FS_ID:33379 DS_ID:497 EP_NO: 10251 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: PENDING CONSTRUCTION STATUS - 20-inch irrigation welded HDPE pipe sleeved through an existing 24-inch pipe through levee, 16 feet below the crown. Annular space between pipes was filled with grout. 36-inch galvanized corrugated metal pipe (CMP) riser and hinged lid are located on the waterside (WS) slope. (20-inch HDPE installed with a 36-inch galvanized CMP riser and hinged lid, work also included the removal of existing CMP riser authorized under Permit No. 10251-1, 2014 - Harris Moran Seed Company; 24-inch pipe [HLM 4.13] authorized under Automatic Board Order (ABO) issued as Permit No. 10251, 1974 - F.M.C. Corp.; assumed original 24-inch pipe was installed in 12/12/1952 per O&M manual) [Additional Reference(s): DWR Levee Log, 1981 and 2005. USACE Sacramento O&M Manual Unit 119, December 1952, (Station XX+XX)] FS Date: 4/10/2014 2:39:45 PM					

Photo 1 of 1 : UCIP_SP_2019_33379_60436.jpg



Slide gate in 36-inch Standpipe on WS toe.

LM Start	4.32	Rating **	M	Issue No.	39
LM End	4.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518280 °	38.518041 °
				-121.704657 °	-121.713680 °
DWR ID	DWR_ST0007_01_s_2018_39				
Comment Code					
PI : Pipe					
Inspector Comment					
Newly planted orchard on LS appears to have installed a water pipe with visible risers parallel to levee approx 8 feet from toe. This pipe should be verified, and owner should contact CVFPB for direction.					

Photo 1 of 2 : SP_2019_ST0007_282_39_20190311_00009.jpg



Visible riser on suspected new pipeline running parallel to levee, 8 feet from toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

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Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	4.32	Rating **	M	Issue No.	39 (cont)
LM End	4.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518280 °	38.518041 °
				-121.704657 °	-121.713680 °
DWR ID	DWR_ST0007_01_s _ 2018_39				
Comment Code					
PI : Pipe					
Inspector Comment					
Newly planted orchard on LS appears to have installed a water pipe with visible risers parallel to levee approx 8 feet from toe. This pipe should be verified, and owner should contact CVFPB for direction.					

Photo 2 of 2 : SP_2019_ST0007_282_39_20190311_00010.jpg



Suspected trenchline for new pipeline running parallel to levee, 8 feet from toe.

LM Start	4.75	Rating **	M	Issue No.	37
LM End	4.75	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518058 °	38.518058 °
				-121.712674 °	-121.712674 °
DWR ID	DWR_ST0007_01_s _ 2019_37				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	5.28	Rating **	A/W	Issue No.	64	
LM End	5.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.518022 °	38.518022 °	
				-121.722521 °	-121.722521 °	
DWR ID	500					
Comment Code						
Inspector Comment						
FS_ID:33371 DS_ID:500 EP_NO: 10256 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Debris removed. See picture FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 5.39] authorized under Automatic Board Order (ABO) issued as Permit No. 10256, 1974 - Albert H. Lederer). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 83+70 PCT)]. FS Date: 4/10/2014 2:37:39 PM						

Photo 1 of 3 : UCIP_SP_2019_33371_60418.jpg



Enter photo 3 description or comment here.

LM Start	5.28	Rating **	A/W	Issue No.	64 (cont)
LM End	5.28	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2019_33371_60416.jpg



WS slide gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Spring 2019


Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

Photo 3 of 3 : UCIP_SP_2019_33371_60417.jpg



LS headwall showing debris

Photo 1 of 2 : UCIP_SP_2019_33370_60415.jpg



LS pump and stand pipe

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	5.30	Rating **	A/W	Issue No.	65 (cont)	
LM End	5.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.518032 °	38.518032 °	
				-121.722778 °	-121.722778 °	
DWR ID	501					
Comment Code						
Inspector Comment						
FS_ID:33370 DS_ID:501 EP_NO: 10256 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.5 feet below the crown. Slide gate on the waterside (WS) end in 36-inch standpipe. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 5.40] authorized under Automatic Board Order (ABO) issued as Permit No. 10256, 1974 - Albert H. Lederer). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 84+40 PCT)]. FS Date: 4/10/2014 2:36:12 PM						

Photo 2 of 2 : UCIP_SP_2019_33370_60414.jpg



WS slide gate in 36-inch cmp standpipe

LM Start	5.31	Rating **	A/W	Issue No.	50
LM End	5.39	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518048 °	38.518132 °
				-121.723033 °	-121.724473 °
DWR ID	DWR_ST0007_01_f_2017_50				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
Access road now present where agricultural tilling was.					

Photo 1 of 2 : SP_2019_ST0007_282_50_20190311_00011.jpg



View looking upstream at the access road where the agricultural tilling was previously (September 2018).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	5.31	Rating **	A/W	Issue No.	50 (cont)	
LM End	5.39	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.518048 °		38.518132 °
				-121.723033 °		-121.724473 °
DWR ID	DWR_ST0007_01_f_2017_50					
Comment Code						
AT : Agricultural tilling						
Inspector Comment						
Access road now present where agricultural tilling was.						

Photo 2 of 2 : SP_2019_ST0007_282_50_20190311_00012.jpg



Agricultural tilling has encroached into waterside levee toe. Activity should cease and toe should be repaired.

LM Start	5.56	Rating **	A/W	Issue No.	66	
LM End	5.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.518249 °		38.518249 °
				-121.727538 °		-121.727538 °
DWR ID	502					
Comment Code						
Inspector Comment						
FS_ID:33368 DS_ID:502 EP_NO: 10255 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 5.67] authorized under Automatic Board Order (ABO) issued as Permit No. 10255, 1974 - Owen W. and Ray W. Hamel). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 97+00 PCT)]. FS Date: 4/10/2014 2:35:43 PM						

Photo 1 of 2 : UCIP_SP_2019_33368_60410.jpg



LS headwall

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	5.56	Rating **	A/W	Issue No.	66 (cont)	
LM End	5.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.518249 °	38.518249 °	
				-121.727538 °	-121.727538 °	
DWR ID	502					
Comment Code						
Inspector Comment						
FS_ID:33368 DS_ID:502 EP_NO: 10255 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 5.67] authorized under Automatic Board Order (ABO) issued as Permit No. 10255, 1974 - Owen W. and Ray W. Hamel). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 97+00 PCT)]. FS Date: 4/10/2014 2:35:43 PM						

Photo 2 of 2 : UCIP_SP_2019_33368_60409.jpg



WS slide gate

LM Start	5.56	Rating **	M	Issue No.	67
LM End	5.56	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518250 °	38.518250 °
				-121.727685 °	-121.727685 °
DWR ID	590				
Comment Code					
Inspector Comment					
FS_ID:33367 DS_ID:590 EP_NO: 14140 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Air vent broken off on water side shoulder. Also, no flap gate or other positive closure device on either side of levee. No requirement in permit for applicant to install positive closure device, but it may be necessary if maintenance or upgrade is performed on pipe. FIELD_STRUCT_DESC: 6-inch polyvinyl chloride (PVC) drainage pipe though the levee, 16 feet below the crown. 24-inch standpipe with pump on the landside (LS). Pipe outfall at creek with riprap. FS Date: 4/10/2014 2:35:30 PM					

Photo 1 of 3 : UCIP_SP_2019_33367_60406.jpg



LS pump and pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	5.56	Rating **	M	Issue No.	67 (cont)
LM End	5.56	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518250 °	38.518250 °
				-121.727685 °	-121.727685 °
DWR ID	590				
Comment Code					
Inspector Comment					
FS_ID:33367 DS_ID:590 EP_NO: 14140 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Air vent broken off on water side shoulder. Also, no flap gate or other positive closure device on either side of levee. No requirement in permit for applicant to install positive closure device, but it may be necessary if maintenance or upgrade is performed on pipe. FIELD_STRUCT_DESC: 6-inch polyvinyl chloride (PVC) drainage pipe though the levee, 16 feet below the crown. 24-inch standpipe with pump on the landside (LS). Pipe outfall at creek with riprap. FS Date: 4/10/2014 2:35:30 PM					

LM Start	5.56	Rating **	M	Issue No.	67 (cont)
LM End	5.56	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_33367_60408.jpg



WS outfall at creek bank

Photo 3 of 3 : UCIP_SP_2019_33367_60407.jpg



WS shoulder broken air vent

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	5.74	Rating **	A/W	Issue No.	68
LM End	5.74	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.518368 °	38.518368 °
				-121.730947 °	-121.730947 °
DWR ID	503				
Comment Code					
Inspector Comment					
FS_ID:33364 DS_ID:503 EP_NO: 10252 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: owner of pipe needs to clean out obstruction in pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 5.86] authorized under Automatic Board Order (ABO) issued as Permit No. 10252, 1974 - John F. Hamel). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 108+00 PCT)]. FS Date: 4/10/2014 2:34:15 PM					

Photo 1 of 2 : UCIP_SP_2019_33364_60401.jpg



LS headwall

LM Start	5.74	Rating **	A/W	Issue No.	68 (cont)
LM End	5.74	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_SP_2019_33364_60400.jpg



WS headwall and slidegate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	5.84	Rating **	A/W	Issue No.	53
LM End	5.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518475 °	38.518478 °
				-121.732822 °	-121.733200 °
DWR ID	DWR_ST0007_01_f_2017_53				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
Adjacent ag field is currently planted, but not along encroached area. Condition should be monitored.					

Photo 1 of 3 : SP_2019_ST0007_282_53_20190311_00013.jpg



View looking upstream. Vegetation has encroached on the toe that is covering past evidence of agricultural tilling (September 2018).

LM Start	5.84	Rating **	A/W	Issue No.	53 (cont)
LM End	5.86	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP_2019_ST0007_282_53_20190311_00014.jpg



Agricultural tilling has encroached into landside levee toe. Activity should cease and toe should be repaired.

LM Start	5.84	Rating **	A/W	Issue No.	53 (cont)
LM End	5.86	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP_2019_ST0007_282_53_20190311_00015.jpg



Fleed not currently planted in area were tilling previously encroached on levee toe. Continue to monitor. Toe should be repaired.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	6.45	Rating **	A/W	Issue No.	69	
LM End	6.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.518208 °	38.518208 °	
				-121.743990 °	-121.743990 °	
DWR ID	505					
Comment Code						
Inspector Comment						
FS_ID:33349 DS_ID:505 EP_NO: 10253 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.4 feet below the crown. Slide gate on the waterside (WS), and concrete headwalls on both the WS and the landside (LS). (24-inch pipe [HLM 6.57] authorized under Automatic Board Order (ABO) issued as Permit No. 10253, 1974 - Lester J. Hamel). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (HLM 6.58) (Station 145+50 PCT)]. FS Date: 4/10/2014 2:29:37 PM						

LM Start	6.45	Rating **	A/W	Issue No.	69 (cont)
LM End	6.45	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_SP_2019_33349_60372.jpg



WS Slide Gate

Photo 2 of 2 : UCIP_SP_2019_33349_60371.jpg



LS Headwall

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	6.48	Rating **	M	Issue No.	70
LM End	6.48	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518120 °	38.518120 °
				-121.744570 °	-121.744570 °
DWR ID	506				
Comment Code					
Inspector Comment					
FS_ID:33347 DS_ID:506 EP_NO: 10820 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Sign on LS bent over and broken. New signs need to be installed locating pipe that indicate a gas line crossing. The broken or missing signs do not indicate gasline, only owner info. Owner is Calpine NRG Scott Vickers 707-249-9211. Supervisor will call phone number and ask for new signs to be installed. FIELD_STRUCT_DESC: 4-inch coated steel gas line through the levee, 2 feet below the crown. (Permit No. 10820, 1975 - Dow Chemical). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/10/2014 2:28:50 PM					

Photo 1 of 2 : UCIP_SP_2019_33347_60366.jpg



LS sign post with damaged sign.

LM Start	6.48	Rating **	M	Issue No.	70 (cont)
LM End	6.48	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2019_33347_60365.jpg



LS: sign post bent over in v ditch at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	6.63	Rating **	M	Issue No.	5
LM End	6.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.517746°	38.517647°
				-121.747220°	-121.748679°
DWR ID	DWR_ST0007_01_s_2012_5				
Comment Code					
FE : Fence					
Inspector Comment					
A chainlink fence is located at the landside toe.					

Photo 1 of 2 : SP_2019_ST0007_282_5_20190311_00002.jpg



View of fence on landside within 10-foot of landward toe. Not a new encroachment.

LM Start	6.63	Rating **	M	Issue No.	5 (cont)
LM End	6.71	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2019_ST0007_282_5_20190311_00003.jpg



Levee mile 6.63-6.71 landside levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	6.90	Rating **	M	Issue No.	15
LM End	6.96	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.517594 °	38.517709 °
				-121.752335 °	-121.753241 °
DWR ID	DWR_ST0007_01_s_2013_15				
Comment Code					
FE : Fence					
Inspector Comment					
This fence has no CVFPB Permit.					

Photo 1 of 1 : SP_2019_ST0007_282_15_20190311_00005.jpg



View of fence (September 2018).

LM Start	6.95	Rating **	A/W	Issue No.	71
LM End	6.95	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.517679 °	38.517679 °
				-121.753146 °	-121.753146 °
DWR ID	508				
Comment Code					
Inspector Comment					
FS_ID:33343 DS_ID:508 EP_NO: 10247 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete Apron on the WS. (24-inch pipe [HLM 7.09] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 172+00 PCT)]. FS Date: 4/10/2014 2:27:50 PM					

Photo 1 of 3 : UCIP_SP_2019_33343_60357.jpg



WS flap gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	6.95	Rating **	A/W	Issue No.	71 (cont)	
LM End	6.95	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.517679 °		38.517679 °
				-121.753146 °		-121.753146 °
DWR ID	508					
Comment Code						
Inspector Comment						
FS_ID:33343 DS_ID:508 EP_NO: 10247 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete Apron on the WS. (24-inch pipe [HLM 7.09] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 172+00 PCT)]. FS Date: 4/10/2014 2:27:50 PM						

Photo 2 of 3 : UCIP_SP_2019_33343_60359.jpg



LS headwall

LM Start	6.95	Rating **	A/W	Issue No.	71 (cont)
LM End	6.95	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2019_33343_60358.jpg



LS headwall

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	6.95	Rating **	M	Issue No.	41
LM End	7.18	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.517651 °	38.518178 °
				-121.753195 °	-121.757311 °
DWR ID	DWR_ST0007_01_s_2019_41				
Comment Code					
FE : Fence					
Inspector Comment					
There is a barbed wire fence on waterside shoulder.					

Photo 1 of 1 : SP_2019_ST0007_282_41_20190418_00072.jpg



View looking upstream at barbed wire fence on waterside shoulder (Spring 2019).

LM Start	7.18	Rating **	A/W	Issue No.	72
LM End	7.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.518181 °	38.518181 °
				-121.757309 °	-121.757309 °
DWR ID	512				
Comment Code					
Inspector Comment					
FS_ID:42952					
DS_ID:512					
EP_NO: 10247					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Debris removed from outlet					
FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch [HLM 7.36] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents).					
[Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 183+97 PCT)].					
FS Date: 4/10/2014 2:27:00 PM					

Photo 1 of 2 : UCIP_SP_2019_42952_60353.jpg



LS Headwall

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	7.18	Rating **	A/W	Issue No.	72 (cont)
LM End	7.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.518181 °	38.518181 °
				-121.757309 °	-121.757309 °
DWR ID	512				
Comment Code					
Inspector Comment					
FS_ID:42952					
DS_ID:512					
EP_NO: 10247					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Debris removed from outlet					
FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch [HLM 7.36] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents).					
[Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 183+97 PCT)].					
FS Date: 4/10/2014 2:27:00 PM					

Photo 2 of 2 : UCIP_SP_2019_42952_60352.jpg



WS Flapgate

LM Start	7.33	Rating **	M	Issue No.	73
LM End	7.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518440 °	38.518440 °
				-121.760027 °	-121.760027 °
DWR ID	17762				
Comment Code					
Inspector Comment					
FS_ID:33338 DS_ID:17762 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No Permit identified for crossing. FIELD_STRUCT_DESC: Fiber optics line markers on east side of railroad tracks. No permit identified. FS Date: 4/10/2014 2:26:19 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	7.34	Rating **	M	Issue No.	74
LM End	7.34	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518480 °	38.518480 °
				-121.760330 °	-121.760330 °
DWR ID	514				
Comment Code					
Inspector Comment					
FS_ID:33337 DS_ID:514 EP_NO: 5858 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: This pipeline needs to be marked as it was installed. There is no indication of location in the field. Indication marker not being present is not a flood hazard. Supervisor will call permittee. FIELD_STRUCT_DESC: 14-inch gas line of an unknown material through the levee, 3 feet below the crown and under the channel. (Permit No. 5858, 1967 - Southern Pacific Pipe Lines, Inc.). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/10/2014 2:26:06 PM					

No Photos

LM Start	7.35	Rating **	M	Issue No.	75	
LM End	7.35	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.518510 °	38.518510 °	
				-121.760474 °	-121.760474 °	
DWR ID	516					
Comment Code						
Inspector Comment						
FS_ID:41353 DS_ID:516 EP_NO: 10260 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is partially obstructed with sedimentation. Owner of pipe may have to clean sediment FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. (24-inch pipe [HLM 7.52] authorized under Automatic Board Order (ABO) issued as Permit No. 10260, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 193+20 PCT)]. FS Date: 4/10/2014 2:25:00 PM						

Photo 1 of 2 : UCIP_SP_2019_41353_60345.jpg



WS Flap Gate and headwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	7.35	Rating **	M	Issue No.	75 (cont)	
LM End	7.35	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.518510 °		38.518510 °
				-121.760474 °		-121.760474 °
DWR ID	516					
Comment Code						
Inspector Comment						
FS_ID:41353 DS_ID:516 EP_NO: 10260 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is partially obstructed with sedimentation. Owner of pipe may have to clean sediment FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. (24-inch pipe [HLM 7.52] authorized under Automatic Board Order (ABO) issued as Permit No. 10260, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 193+20 PCT)]. FS Date: 4/10/2014 2:25:00 PM						

Photo 2 of 2 : UCIP_SP_2019_41353_60344.jpg



LS headwall showing pipe partially blocked with soil.

LM Start	7.39	Rating **	M	Issue No.	42
LM End	7.85	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518659 °	38.518570 °
				-121.761060 °	-121.769577 °
DWR ID	DWR_ST0007_01_s_2019_42				
Comment Code					
FE : Fence					
Inspector Comment					
There is a barbed wire fence on the landside.					

Photo 1 of 1 : SP_2019_ST0007_282_42_20190418_00074.jpg



View looking downstream at barbed wire fence located within the landside easment (Spring 2019).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	7.56	Rating **	A/W	Issue No.	76
LM End	7.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.519002 °	38.519002 °
				-121.764315 °	-121.764315 °
DWR ID	518				
Comment Code					
Inspector Comment					
FS_ID:33333 DS_ID:518 EP_NO: 10247 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Fence blocking inlet. Owner of fence needs to move fence away from inlet. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Slide gate on the waterside (WS) slope, and headwalls on both sides. (24-inch pipe [HLM 7.75] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 204+00 PCT)]. FS Date: 4/10/2014 2:24:52 PM					

Photo 1 of 2 : UCIP_SP_2019_33333_60342.jpg



WS headwall and slide gate

LM Start	7.56	Rating **	A/W	Issue No.	76 (cont)
LM End	7.56	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_SP_2019_33333_60341.jpg



LS headwall showing fence and soil buildup.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

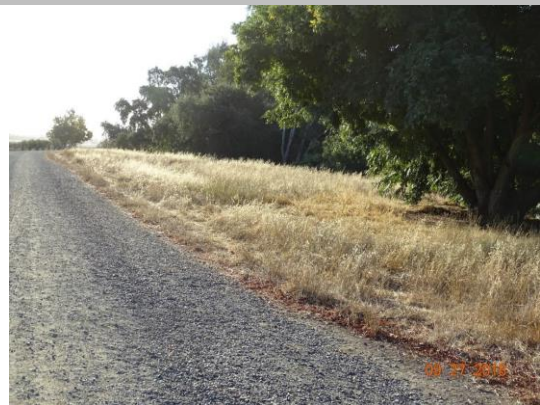
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	7.61	Rating **	M	Issue No.	77
LM End	7.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518970 °	38.518970 °
				-121.765090 °	-121.765090 °
DWR ID	592				
Comment Code					
Inspector Comment					
FS_ID:33332 DS_ID:592 EP_NO: 6705 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Found a 4-inch pipe near toe of ramp at LM 7.805 but it could not be determined if this pipe crossed through the levee. No additional info is available for pipe location. Lat and long for this pipe: Lat: 38.51898120 Long: -121.765378980. Attempt to determine if this pipe crosses through levee. FIELD_STRUCT_DESC: 4-inch steel irrigation pipe through the levee, 1.5 feet below the crown. Located approximately 110 feet east of the ramp at Levee Mile 7.81. (Permit No. 6705, 1969 - University of California, Davis Campus. Also mentioned as a 3-inch steel pipe in Permit No. 5896, 1967 - The Regents of the University of California, Office of Architects and Engineers, University of California, Davis Campus). FS Date: 4/10/2014 2:24:27 PM					

No Photos

LM Start	8.06	Rating **	M	Issue No.	29
LM End	8.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.519480 °	38.523858 °
				-121.773085 °	-121.781917 °
DWR ID	DWR_ST0007_01_f_2018_29				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain the vegetation on waterside slope.					

Photo 1 of 1 : SP_2019_ST0007_282_29_20190311_00006.jpg



View looking downstream at thick vegetation up to the crown (September 2018).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	8.28	Rating **	A/W	Issue No.	78
LM End	8.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.521246 °	38.521246 °
				-121.776434 °	-121.776434 °
DWR ID	520				
Comment Code					
Inspector Comment					
FS_ID:33328 DS_ID:520 EP_NO: 10247 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Cleaned inlet and outlets. Owner of pipe may need to clean pipe FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Slide gate on the waterside (WS) end. (24-inch pipe [HLM 8.45] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 241+50 PCT)]. FS Date: 4/10/2014 2:23:46 PM					

LM Start	8.28	Rating **	A/W	Issue No.	78 (cont)
LM End	8.28	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2019_33328_60329.jpg



Enter photo 3 description or comment here.

Photo 2 of 3 : UCIP_SP_2019_33328_60327.jpg



LS headwall showing pipe plugged with soil

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	8.28	Rating **	A/W	Issue No.	78 (cont)	
LM End	8.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.521246 °		38.521246 °
				-121.776434 °		-121.776434 °
DWR ID	520					
Comment Code						
Inspector Comment						
FS_ID:33328 DS_ID:520 EP_NO: 10247 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Cleaned inlet and outlets. Owner of pipe may need to clean pipe FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Slide gate on the waterside (WS) end. (24-inch pipe [HLM 8.45] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 241+50 PCT)]. FS Date: 4/10/2014 2:23:46 PM						

Photo 3 of 3 : UCIP_SP_2019_33328_60328.jpg



WS slide gate showing some blockage with soil.

LM Start	8.32	Rating **	M	Issue No.	38
LM End	8.62	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.521613 °	38.523854 °
				-121.777127 °	-121.781915 °
DWR ID	DWR_ST0007_01_s_2019_38				
Comment Code					
FE : Fence					
Inspector Comment					
There is a barbed wire fence on the landside.					

Photo 1 of 1 : SP_2019_ST0007_282_38_20190418_00073.jpg



View looking downstream at barbed wire fence on the landside easment (Spring 2019).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	8.33	Rating **	A/W	Issue No.	79
LM End	8.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.521660 °	38.521660 °
				-121.777203 °	-121.777203 °
DWR ID	521				
Comment Code					
Inspector Comment					
FS_ID:33327					
DS_ID:521					
EP_NO: 10247					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Removed material at slidegate and inlet.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Slide gate on the waterside (WS) end. Headwalls on both ends. (24-inch pipe [HLM 8.50] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents. Also mentioned in Permit No. 5896, 1967 - The Regents of the University of California, Office of Architects and Engineers, University of California, Davis Campus). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 244+20 PCT)].					
FS Date: 4/10/2014 2:23:16 PM					

Photo 1 of 2 : UCIP_SP_2019_33327_60326.jpg



WS headwall and slidegate

LM Start	8.33	Rating **	A/W	Issue No.	79 (cont)
LM End	8.33	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_SP_2019_33327_60325.jpg



LS headwall showing partial blockage

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	8.69	Rating **	M	Issue No.	80	
LM End	8.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.523999 °	38.523999 °	
				-121.783037 °	-121.783037 °	
DWR ID	523					
Comment Code						
Inspector Comment						
FS_ID:41129 DS_ID:523 EP_NO: 10247 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: *ABANDONED* FIELD_STRUCT_DESC: *ABANDONED* 48-inch drainage pipe of an unknown material through the levee, 15 feet below the crown. Steel plate installed over inlet off the landside (LS) toe. Pipe not grouted. Flap gate on waterside (WS) end. Headwalls on both ends. (48-inch pipe [HLM 8.88] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 262+30 PCT)]. FS Date: 4/10/2014 2:21:00 PM						

LM Start	8.69	Rating **	M	Issue No.	80 (cont)
LM End	8.69	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2019_41129_60301.jpg



Steel plate installed over pipe off LS toe.

Photo 2 of 3 : UCIP_SP_2019_41129_60299.jpg



LS headwall and pipe before steel plate was installed over pipe to abandon it.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	04/18/2019 04/18/2019	David Julian

LM Start	8.69	Rating **	M	Issue No.	80 (cont)	
LM End	8.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.523999 °		38.523999 °
				-121.783037 °		-121.783037 °
DWR ID	523					
Comment Code						
Inspector Comment						
FS_ID:41129 DS_ID:523 EP_NO: 10247 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: *ABANDONED* FIELD_STRUCT_DESC: *ABANDONED* 48-inch drainage pipe of an unknown material through the levee, 15 feet below the crown. Steel plate installed over inlet off the landside (LS) toe. Pipe not grouted. Flap gate on waterside (WS) end. Headwalls on both ends. (48-inch pipe [HLM 8.88] authorized under Automatic Board Order (ABO) issued as Permit No. 10247, 1974 - University of California, Office of the Regents). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 262+30 PCT)]. FS Date: 4/10/2014 2:21:00 PM						

Photo 3 of 3 : UCIP_SP_2019_41129_60300.jpg



WS flap gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2019 Levee Inspection Results

Sacramento Maintenance Yard Putah Creek

Waterway			Bank	Unit Miles
Unit No. 02 Putah Creek or South Levee			Right	7.20
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/18/2019 - 4/18/2019			
DWR Inspector	David Julian			
Accompanied By	James McCabe DWR Sacramento Maintenance Yard			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	0.03	Rating **	M	Issue No.	36
LM End	2.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.505162 °	38.515423 °
				-121.663128 °	-121.695063 °
DWR ID	DWR_ST0007_02_s_2019_36				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain the annual vegetation.					

Photo 1 of 1 : SP_2019_ST0007_283_36_20190418_00062.jpg



View looking upstream at annual vegetation on the waterside slope (Spring 2019).

LM Start	0.03	Rating **	M	Issue No.	28	
LM End	6.67	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.505162 °		38.519665 °
				-121.663128 °		-121.776527 °
DWR ID	DWR_ST0007_02_s_2019_28					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
Maintain the annual vegetation.						

Photo 1 of 1 : SP_2019_ST0007_283_28_20190418_00061.jpg



View looking upstream at annual vegetation on the landside slope (Spring 2019).

LM Start	0.18	Rating **	C	Issue No.	3
LM End	0.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.507155 °	38.509035 °
				-121.682817 °	-121.663488 °
DWR ID	DWR_ST0007_02_s_2012_3				
Comment Code					
DT : Ditch					
Inspector Comment					
This ditch is within the 10-easement.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	0.55	Rating **	M	Issue No.	29
LM End	0.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.510249 °	38.510249 °
				-121.667551 °	-121.667551 °
DWR ID	DWR_ST0007_02_s_2013_29				
Comment Code					
FE : Fence					
Inspector Comment					
There is no CVFPB Permit for this gate. DWR - Sac Maintenance Yard installed this gate a few years ago.					

Photo 1 of 4 : SP_2019_ST0007_283_29_20190311_00006.jpg



Levee mile 0.55 crown roadway crossing.

LM Start	0.55	Rating **	M	Issue No.	29 (cont)
LM End	0.55	Issue Type +	En	Location *	LS

Photo 2 of 4 : SP_2019_ST0007_283_29_20190311_00007.jpg



View of landside slope and toe.

LM Start	0.55	Rating **	M	Issue No.	29 (cont)
LM End	0.55	Issue Type +	En	Location *	LS

Photo 3 of 4 : SP_2019_ST0007_283_29_20190311_00008.jpg



View of waterside slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	0.55	Rating **	M	Issue No.	29 (cont)	
LM End	0.55	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.510249 °		38.510249 °
				-121.667551 °		-121.667551 °
DWR ID	DWR_ST0007_02_s_2013_29					
Comment Code						
FE : Fence						
Inspector Comment						
There is no CVFPB Permit for this gate. DWR - Sac Maintenance Yard installed this gate a few years ago.						

Photo 4 of 4 : SP_2019_ST0007_283_29_20190311_00009.jpg



Another landside view. No CVFPB Permit for this gate.

LM Start	0.82	Rating **	A/W	Issue No.	49
LM End	0.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.510700 °	38.510700 °
				-121.672410 °	-121.672410 °
DWR ID	16621				
Comment Code					
Inspector Comment					
FS_ID:33407 DS_ID:16621 EP_NO: 10270 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (36-inch pipe [HLM 0.85] authorized under Automatic Board Order (ABO) issued as Permit No. 10270, 1974 - Hamel). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station T 1+45)]. FS Date: 4/10/2014 2:49:39 PM					

Photo 1 of 3 : UCIP_SP_2019_33407_60489.jpg



L/S inlet

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Spring 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	0.82	Rating **	A/W	Issue No.	49 (cont)
LM End	0.82	Issue Type +	Ma	Location *	

L/S headwall

W/S Channel

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	1.01	Rating **	M	Issue No.	23
LM End	1.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.511402 °	38.511598 °
				-121.675727 °	-121.676413 °
DWR ID	DWR_ST0007_02_f_2016_23				
Comment Code					
EQ : Equipment					
Inspector Comment					
This ag equipment and materials should be moved at least 10 feet away from the LS levee toe.					

Photo 1 of 1 : SP_2019_ST0007_283_23_20190311_00004.jpg



Levee mile 1.01 landside toe looking upstream.

LM Start	1.15	Rating **	U	Issue No.	32
LM End	1.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.512052 °	38.512052 °
				-121.678188 °	-121.678188 °
DWR ID	DWR_ST0007_02_f_2018_32				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are multiple burrow holes with lots of fresh dirt outside several of the holes.					

Photo 1 of 3 : SP_2019_ST0007_283_32_20190311_00010.jpg



View looking downstream at multiple animal holes on the levee slope (September 2018).

LM Start	1.15	Rating **	U	Issue No.	32 (cont)
LM End	1.15	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2019_ST0007_283_32_20190311_00011.jpg



View looking down slope at one of the animal holes on the levee slope with fresh dirt in front of the hole (September 2018).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	1.15	Rating **	U	Issue No.	32 (cont)	
LM End	1.15	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.512052 °		38.512052 °
				-121.678188 °		-121.678188 °
DWR ID	DWR_ST0007_02_f_2018_32					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						
There are multiple burrow holes with lots of fresh dirt outside several of the holes.						

Photo 3 of 3 : SP_2019_ST0007_283_32_20190311_00012.jpg



View of multiple animal holes on the levee slope with fresh dirt in front of the holes (September 2018).

LM Start	1.59	Rating **	M	Issue No.	37
LM End	2.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.514240 °	38.515438 °
				-121.685957 °	-121.694916 °
DWR ID	DWR_ST0007_02_s_2019_37				
Comment Code					
FE : Fence					
Inspector Comment					
There is a barbed wire fence on the landside toe.					

Photo 1 of 1 : SP_2019_ST0007_283_37_20190418_00063.jpg



View looking upstream at barbed wire fence at the landside toe (Spring 2019).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	1.60	Rating **	M	Issue No.	50
LM End	1.60	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.514250 °	38.514250 °
				-121.685980 °	-121.685980 °
DWR ID	16623				
Comment Code					
Inspector Comment					
FS_ID:33400 DS_ID:16623 EP_NO: 9139 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: There are no appropriate gas markers present on levee to indicate pipe location. Markers need to be installed. No danger to the levee FIELD_STRUCT_DESC: 8-inch steel gas line through the levee, 3 feet below the crown, under channel, and through the Unit No. 1 levee. (Permit No. 9139, 1973 - Dow Chemical, U.S.A.). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/10/2014 2:45:48 PM					

Photo 1 of 3 : UCIP_SP_2019_33400_60474.jpg



Gas vent 800-feet to south

LM Start	1.60	Rating **	M	Issue No.	50 (cont)
LM End	1.60	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_33400_60472.jpg



small flag on WS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	1.60	Rating **	M	Issue No.	50 (cont)	
LM End	1.60	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.514250 °	38.514250 °	
				-121.685980 °	-121.685980 °	
DWR ID	16623					
Comment Code						
Inspector Comment						
FS_ID:33400 DS_ID:16623 EP_NO: 9139 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: There are no appropriate gas markers present on levee to indicate pipe location. Markers need to be installed. No danger to the levee FIELD_STRUCT_DESC: 8-inch steel gas line through the levee, 3 feet below the crown, under channel, and through the Unit No. 1 levee. (Permit No. 9139, 1973 - Dow Chemical, U.S.A.). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/10/2014 2:45:48 PM						

Photo 3 of 3 : UCIP_SP_2019_33400_60473.jpg



steel sign marker at LS toe with no sign

LM Start	1.62	Rating **	M	Issue No.	30
LM End	2.09	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.514372 °	38.515443 °
				-121.686399 °	-121.694841 °
DWR ID	DWR_ST0007_02_s_2019_30				
Comment Code					
FE : Fence					
Inspector Comment					
There is a barbed wire fence on the waterside toe.					

Photo 1 of 1 : SP_2019_ST0007_283_30_20190418_00060.jpg



View looking downstream at barbed wire fence at the bottom of the waterside slope (Spring 2019).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	1.86	Rating **	U	Issue No.	38
LM End	1.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.515212 °	38.515212 °
				-121.690704 °	-121.690704 °
DWR ID	DWR_ST0007_02_s_2019_38				
Comment Code					
PR : Prunings					
Inspector Comment					
There is a large pruning pile on the landside.					

Photo 1 of 1 : SP_2019_ST0007_283_38_20190418_00064.jpg



View of large pruning pile at the landside toe (Spring 2019).

LM Start	2.00	Rating **	M	Issue No.	9
LM End	2.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.515356 °	38.515456 °
				-121.693168 °	-121.694817 °
DWR ID	DWR_ST0007_02_s_2013_9				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are no indications of recent rodent activity. Bait stations have been removed. Area should be monitored.					

Photo 1 of 1 : SP_2019_ST0007_283_9_20190311_00002.jpg



Rodent bait station at LM 2.09.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	2.09	Rating **	M	Issue No.	51
LM End	2.09	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.515440 °	38.515440 °
				-121.694920 °	-121.694920 °
DWR ID	16624				
Comment Code					
Inspector Comment					
FS_ID:41072 DS_ID:16624 EP_NO: 10268 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: It is apparent that there is an irrigation pipe sleeved through the 25-inch pipe, but size cannot be determined. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 13 feet below the crown. Gate valve on the landside (LS) in 10-inch concrete standpipe. 36-inch standpipe on the waterside (WS) toe. Headwall on the LS toe. (24-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10268, 1974 - Dow Chemical Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station P 265+70)]. FS Date: 4/10/2014 2:45:00 PM					

Photo 1 of 3 : UCIP_SP_2019_41072_60468.jpg



gate valve on LS toe in 10-inch standpipe

LM Start	2.09	Rating **	M	Issue No.	51 (cont)
LM End	2.09	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_41072_60471.jpg



36-inch standpipe WS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	2.09	Rating **	M	Issue No.	51 (cont)	
LM End	2.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.515440 °	38.515440 °	
				-121.694920 °	-121.694920 °	
DWR ID	16624					
Comment Code						
Inspector Comment						
FS_ID:41072 DS_ID:16624 EP_NO: 10268 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: It is apparent that there is an irrigation pipe sleeved through the 25-inch pipe, but size cannot be determined. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 13 feet below the crown. Gate valve on the landside (LS) in 10-inch concrete standpipe. 36-inch standpipe on the waterside (WS) toe. Headwall on the LS toe. (24-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10268, 1974 - Dow Chemical Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station P 265+70)]. FS Date: 4/10/2014 2:45:00 PM						

Photo 3 of 3 : UCIP_SP_2019_41072_60470.jpg



LS headwall.

LM Start	2.65	Rating **	A/W	Issue No.	52
LM End	2.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.514865 °	38.514865 °
				-121.703839 °	-121.703839 °
DWR ID	16625				
Comment Code					
Inspector Comment					
FS_ID:33395 DS_ID:16625 EP_NO: 10277 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Slide gate on the waterside (WS) slope. Concrete headwalls on both ends. (24-inch pipe [HLM 2.71] authorized under Automatic Board Order (ABO) issued as Permit No. 10277, 1974 - Naomi Schoeningh). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 30+15 PCT)]. FS Date: 4/10/2014 2:43:57 PM					

Photo 1 of 2 : UCIP_SP_2019_33395_60460.jpg



LS headwall

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	2.65	Rating **	A/W	Issue No.	52 (cont)	
LM End	2.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.514865 °	38.514865 °	
				-121.703839 °	-121.703839 °	
DWR ID	16625					
Comment Code						
Inspector Comment						
FS_ID:33395 DS_ID:16625 EP_NO: 10277 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Slide gate on the waterside (WS) slope. Concrete headwalls on both ends. (24-inch pipe [HLM 2.71] authorized under Automatic Board Order (ABO) issued as Permit No. 10277, 1974 - Naomi Schoeningh). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 30+15 PCT)]. FS Date: 4/10/2014 2:43:57 PM						

Photo 2 of 2 : UCIP_SP_2019_33395_60459.jpg



WS headwall and slidegate

LM Start	3.04	Rating **	A/W	Issue No.	53
LM End	3.04	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.515080 °	38.515080 °
				-121.711050 °	-121.711050 °
DWR ID	16626				
Comment Code					
Inspector Comment					
FS_ID:33393 DS_ID:16626 EP_NO: 10277 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Slide gate on the waterside (WS) slope, and headwalls on both sides. (24-inch pipe [HLM 3.11] authorized under Automatic Board Order (ABO) issued as Permit No. 10277, 1974 - Naomi Schoeningh). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 50+72 PCT)]. FS Date: 4/10/2014 2:43:31 PM					

Photo 1 of 2 : UCIP_SP_2019_33393_60456.jpg



WS headwall and slide gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	3.04	Rating **	A/W	Issue No.	53 (cont)	
LM End	3.04	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.515080 °	38.515080 °	
				-121.711050 °	-121.711050 °	
DWR ID	16626					
Comment Code						
Inspector Comment						
FS_ID:33393 DS_ID:16626 EP_NO: 10277 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Slide gate on the waterside (WS) slope, and headwalls on both sides. (24-inch pipe [HLM 3.11] authorized under Automatic Board Order (ABO) issued as Permit No. 10277, 1974 - Naomi Schoeningh). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 50+72 PCT)]. FS Date: 4/10/2014 2:43:31 PM						

Photo 2 of 2 : UCIP_SP_2019_33393_60455.jpg



LS headwall and pipe

LM Start	3.18	Rating **	M	Issue No.	54
LM End	3.18	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.515161 °	38.515161 °
				-121.713634 °	-121.713634 °
DWR ID	16627				
Comment Code					
Inspector Comment					
FS_ID:33392 DS_ID:16627 EP_NO: 2273A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: WS shoulder air vent looks broken and needs marker FIELD_STRUCT_DESC: 1 of 2: 18-inch coated steel irrigation pipe through the levee, 2 feet below the crown. Pump on well on the landside (LS). 18-inch standpipe on the waterside (WS) toe. Fresno valve on the LS toe, and air vent on the WS shoulder. 36-inch standpipe on the LS. (Permit No. 2273-A, 1980 - William B. Schoeningh). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/10/2014 2:43:17 PM					

Photo 1 of 1 : UCIP_SP_2019_33392_60454.jpg



WS shoulder showing air vent with no sign and 18-inch standpipe at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	4.17	Rating **	A/W	Issue No.	55
LM End	4.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.515770 °	38.515770 °
				-121.731840 °	-121.731840 °
DWR ID	16629				
Comment Code					
Inspector Comment					
FS_ID:33378 DS_ID:16629 EP_NO: 10269 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.5 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwalls on both ends. (24-inch pipe [HLM 4.26] authorized under Automatic Board Order (ABO) issued as Permit No. 10269, 1974 - Joseph Fahn). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 109+75 PCT)]. FS Date: 4/10/2014 2:39:31 PM					

Photo 1 of 2 : UCIP_SP_2019_33378_60435.jpg



LS headwall

LM Start	4.17	Rating **	A/W	Issue No.	55 (cont)
LM End	4.17	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_SP_2019_33378_60434.jpg



WS slide gate and headwall

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	4.17	Rating **	M	Issue No.	56
LM End	4.17	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.515780 °	38.515780 °
				-121.731950 °	-121.731950 °
DWR ID	16630				
Comment Code					
Inspector Comment					
FS_ID:33377 DS_ID:16630 EP_NO: 10820 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Signs for pipeline need to be updated to state Gas line. Current markers are insufficient. FIELD_STRUCT_DESC: 4-inch coated steel natural gas pipeline across the channel and levees of Putah Creek, 2 feet below the crown. Approximately 0.5 mile downstream from Old Davis Road. (Permit No. 10820, 1975 - Dow Chemical). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/10/2014 2:39:19 PM					

Photo 1 of 2 : UCIP_SP_2019_33377_60433.jpg



WS marker 320 feet north of levee at stream bank.

LM Start	4.17	Rating **	M	Issue No.	56 (cont)
LM End	4.17	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2019_33377_60432.jpg



LS marker on east side of access ramp.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	4.66	Rating **	M	Issue No.	33
LM End	4.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.515817 °	38.515817 °
				-121.740942 °	-121.740942 °
DWR ID	DWR_ST0007_02_f_2018_33				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion of the levee slope about 1 foot into the levee should be repaired.					

Photo 1 of 1 : SP_2019_ST0007_283_33_20190311_00013.jpg



View of erosion on the levee slope appears to be due to water from the pipe and trench (September 2018).

LM Start	4.66	Rating **	A/W	Issue No.	57
LM End	4.66	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.515814 °	38.515814 °
				-121.741030 °	-121.741030 °
DWR ID	16644				
Comment Code					
Inspector Comment					
FS_ID:33375 DS_ID:16644 EP_NO: 10271 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS). 36-inch standpipe on the landside (LS). (24-inch pipe [HLM 4.77] authorized under Automatic Board Order (ABO) issued as Permit No. 10271, 1974 - Ray H. Hamel). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 136+40 PCT)]. FS Date: 4/10/2014 2:38:34 PM					

Photo 1 of 3 : UCIP_SP_2019_33375_60427.jpg



LS 36-inch standpipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	4.66	Rating **	A/W	Issue No.	57 (cont)
LM End	4.66	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility		38.515814 °	38.515814 °	
			-121.741030 °	-121.741030 °	
DWR ID	16644				
Comment Code					
Inspector Comment					
FS_ID:33375 DS_ID:16644 EP_NO: 10271 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS). 36-inch standpipe on the landside (LS). (24-inch pipe [HLM 4.77] authorized under Automatic Board Order (ABO) issued as Permit No. 10271, 1974 - Ray H. Hamel). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 136+40 PCT)]. FS Date: 4/10/2014 2:38:34 PM					

Photo 2 of 3 : UCIP_SP_2019_33375_60429.jpg



WS headwall and flapgate.

LM Start	4.66	Rating **	A/W	Issue No.	57 (cont)
LM End	4.66	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2019_33375_60428.jpg



LS looking down standpipe at CC pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	4.67	Rating **	M	Issue No.	26
LM End	7.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.515800 °	38.522679 °
				-121.741098 °	-121.782932 °
DWR ID	DWR_ST0007_02_s_2019_26				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain the annual vegetation.					

Photo 1 of 1 : SP_2019_ST0007_283_26_20190418_00059.jpg



View looking downstream at annual vegetation on the waterside slope (Spring 2019).

LM Start	4.97	Rating **	U	Issue No.	34
LM End	5.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.515462 °	38.515318 °
				-121.746648 °	-121.747705 °
DWR ID	DWR_ST0007_02_f_2016_34				
Comment Code					
DT : Ditch					
Inspector Comment					
There is an agriculture ditch placed within the 10-easement landward. This ditch has been reported to Enforcement and a NOV has been prepared.					

Photo 1 of 1 : SP_2019_ST0007_283_34_20190311_00014.jpg



Landside levee toe levee mile 4.97-5.00 looking upstream at unauthorized agriculture ditch placed within the easement. No permit for this encroachment was found.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	5.06	Rating **	M	Issue No.	40
LM End	5.06	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.515327 °	38.515327 °
				-121.748322 °	-121.748322 °
DWR ID	DWR_ST0007_02_s_2019_40				
Comment Code					
MA : Material					
Inspector Comment					
Several pipes need to be removed form slope.					

Photo 1 of 1 : SP_2019_ST0007_283_40_20190418_00065.jpg



View of pipes on the waterside slope (Spring 2019).

LM Start	5.07	Rating **	M	Issue No.	58
LM End	5.07	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.515332 °	38.515332 °
				-121.748533 °	-121.748533 °
DWR ID	16632				
Comment Code					
Inspector Comment					
FS_ID:41074 DS_ID:16632 EP_NO: 10279 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe and headwalls are completely buried on both sides of levee. 15-inch pipe permitted to sleeve through the 24-inch CMP. Indication that 15-inch pipe is at crossing. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 10 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on landside (LS) end. (Automatic Board Order (ABO) issued as Permit No. 10279, 1974 - Carmelita Watkins). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 158+60 PCT)]. FS Date: 4/10/2014 2:37:00 PM					

Photo 1 of 1 : UCIP_SP_2019_41074_60419.jpg



15-inch standpipe at location where may run through 24-inch SD.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	5.30	Rating **	C	Issue No.	13
LM End	5.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.515377 °	38.515418 °
				-121.752795 °	-121.756028 °
DWR ID	DWR_ST0007_02_f_2012_13				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
No indications of rodent activity or bait stations were observed.					

No Photos

LM Start	5.44	Rating **	A/W	Issue No.	59
LM End	5.44	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.515369 °	38.515369 °
				-121.755247 °	-121.755247 °
DWR ID	16620				
Comment Code					
Inspector Comment					
FS_ID:33369 DS_ID:16620 EP_NO: 10267 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Gate has been oiled and debris removed from outlet on land side FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 13 feet below the crown. Slide gate on the waterside (WS) slope. Concrete headwalls on both ends. (24-inch pipe [HLM 5.56] authorized under Automatic Board Order (ABO) issued as Permit No. 10267, 1974 - Davis Laboratories, Inc.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 177+80 PCT)]. FS Date: 4/10/2014 2:35:57 PM					

Photo 1 of 3 : UCIP_SP_2019_33369_60411.jpg



W/S

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Spring 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	5.44	Rating **	A/W	Issue No.	59 (cont)
LM End	5.44	Issue Type +	Ma	Location *	

A photograph of a concrete culvert structure, likely a small bridge or drainage pipe, situated in a grassy field. The structure is made of concrete and has a metal frame with a white container inside. The container appears to be a bucket or a small tank. The structure is surrounded by green grass and some dirt. The background shows a dirt path or road.

W/S positive closure device

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	5.74	Rating **	A/W	Issue No.	60
LM End	5.74	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.516000 °	38.516000 °	
			-121.760500 °	-121.760500 °	
DWR ID	16636				

Comment Code

Inspector Comment

FS_ID:33363
DS_ID:16636
EP_NO: 10279
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: Pipe was cleaned by the owner and 6 in pipe is still being used
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on landside (LS) end. (name change for existing 24-inch drainpipe and slide gate on WS [HLM 5.89] issued under Permit No. 10279-1, 2012 - Elizabeth Dankworth and Michelle Christison; 24-inch pipe [HLM 5.89] authorized under Automatic Board Order (ABO) issued as Permit No. 10279, 1974 - Carmelita Watkins).
[Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 193+00 PCT)].
FS Date: 4/10/2014 2:34:02 PM

LM Start	5.74	Rating **	A/W	Issue No.	60 (cont)
LM End	5.74	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_SP_2019_33363_60399.jpg



WS slide gate and headwall. 6-inch irrigation pipe just inside 24-inch pipe.

Photo 2 of 2 : UCIP_SP_2019_33363_60398.jpg



LS headwall showing sedimentation and 6-inch pipe sleeved through 24-inch pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	5.82	Rating **	M	Issue No.	61
LM End	5.82	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.516140 °	38.516140 °	
			-121.761920 °	-121.761920 °	
DWR ID	16637				
Comment Code					
Inspector Comment					
FS_ID:33361 DS_ID:16637 EP_NO: 5858 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: According to owner this pipe is no longer in use but has not been abandoned to our standards. Need pipe company to mark location. Contacted Mark Jensen with Kinder Morgan and they are working to determine what kind of markers they should use to replace the missing ones (4/12/12). Ken at 916-416-7938 is working issue. FIELD_STRUCT_DESC: 14-inch coated steel petroleum gas pipeline through the levee, 3 feet below the crown and under channel. (Permit No. 5858, 1967 - Southern Pacific Pipe Lines, Inc.). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/10/2014 2:33:35 PM					

No Photos

LM Start	5.82	Rating **	M	Issue No.	62
LM End	5.82	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.516171 °	38.516171 °	
			-121.762037 °	-121.762037 °	
DWR ID	17763				
Comment Code					
Inspector Comment					
FS_ID:33360 DS_ID:17763 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: Fiber optics line markers on east side of railroad tracks. No permit identified for this crossing. It appears they may be routed under the west side of the railroad bridge inside a 6-inch steel conduit. FS Date: 4/10/2014 2:33:07 PM					

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	5.83	Rating **	M	Issue No.	63
LM End	5.83	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.516256 °	38.516256 °
				-121.762204 °	-121.762204 °
DWR ID	17764				
Comment Code					
Inspector Comment					
FS_ID:33359 DS_ID:17764 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for crossing. FIELD_STRUCT_DESC: Fiber optics line markers on west side of railroad tracks. No permit identified for this crossing. FS Date: 4/10/2014 2:32:54 PM					

No Photos

LM Start	5.84	Rating **	A/W	Issue No.	64	
LM End	5.84	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.516290 °		38.516290 °
				-121.762280 °		-121.762280 °
DWR ID	16639					
Comment Code						
Inspector Comment						
FS_ID:42953 DS_ID:16639 EP_NO: 10278 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: All material was removed FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on waterside (WS) end. Headwall on the landside (LS). (24-inch pipe [HLM 5.99] authorized under Automatic Board Order (ABO) issued as Permit No. 10278, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 208+00 PCT)]. FS Date: 4/10/2014 2:32:00 PM						

Photo 1 of 2 : UCIP_SP_2019_42953_60397.jpg



WS Flapgate blocked by sedimentation

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	5.84	Rating **	A/W	Issue No.	64 (cont)	
LM End	5.84	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.516290 °	38.516290 °	
				-121.762280 °	-121.762280 °	
DWR ID	16639					
Comment Code						
Inspector Comment						
FS_ID:42953 DS_ID:16639 EP_NO: 10278 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: All material was removed FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on waterside (WS) end. Headwall on the landside (LS). (24-inch pipe [HLM 5.99] authorized under Automatic Board Order (ABO) issued as Permit No. 10278, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 208+00 PCT)]. FS Date: 4/10/2014 2:32:00 PM						

Photo 2 of 2 : UCIP_SP_2019_42953_60396.jpg



LS headwall

LM Start	6.02	Rating **	A/W	Issue No.	65	
LM End	6.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.516658 °	38.516658 °	
				-121.765572 °	-121.765572 °	
DWR ID	16641					
Comment Code						
Inspector Comment						
FS_ID:33353 DS_ID:16641 EP_NO: 10265 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pipe has some sedimentation buildup internally. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe [HLM 6.19] authorized under Automatic Board Order (ABO) issued as Permit No. 10265, 1974 - State of California, Division of Highways. Also included in Automatic Board Order (ABO) issued as Permit No. 11296, 1974 - Capitol National Bank of Sacramento and Crocker Citizens National Bank). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 237+50 PCT)]. FS Date: 4/10/2014 2:30:16 PM						

Photo 1 of 2 : UCIP_SP_2019_33353_60380.jpg



LS headwall and pipe showing sediment buildup.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	6.02	Rating **	A/W	Issue No.	65 (cont)	
LM End	6.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.516658 °		38.516658 °
				-121.765572 °		-121.765572 °
DWR ID	16641					
Comment Code						
Inspector Comment						
FS_ID:33353						
DS_ID:16641						
EP_NO: 10265						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Pipe has some sedimentation buildup internally.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe						
through the levee, 11 feet below the crown. Slide gate on the waterside						
(WS) end. Concrete headwall on the landside (LS) end. (24-inch pipe						
[HLM 6.19] authorized under Automatic Board Order (ABO) issued as						
Permit No. 10265, 1974 - State of California, Division of Highways. Also						
included in Automatic Board Order (ABO) issued as Permit No. 11296,						
1974 - Capitol National Bank of Sacramento and Crocker Citizens						
National Bank). [Additional Reference(s): DWR Levee Log, 2005.						
USACE Sacramento O&M Manual 119, December 1952, (Station						
237+50 PCT)].						
FS Date: 4/10/2014 2:30:16 PM						

Photo 2 of 2 : UCIP_SP_2019_33353_60379.jpg



WS slide gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	6.34	Rating **	M	Issue No.	66	
LM End	6.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.517199°	38.517199°	
				-121.771262°	-121.771262°	
DWR ID	16642					
Comment Code						
Inspector Comment						
FS_ID:53864 DS_ID:16642 EP_NO: 10265 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/10/2019 There is no more debris around pipe. And is now sprayed and maintained. (JMccabe DWR Sacramento yard)Debris buildup at WS outlet FIELD_STRUCT_DESC: 30-inch drainage pipe of an unknown material through the levee, 17 feet below the crown. Headwall and slide gate on the landside (LS) end. Flap gate on the waterside (WS) end, 120 feet to the north of the crossing. (36-inch pipe [HLM 6.50] authorized under Automatic Board Order (ABO) issued as Permit No. 10265, 1974 - State of California, Division of Highways. Also included in Automatic Board Order (ABO) issued as Permit No. 11296, 1974 - Capitol National Bank of Sacramento and Crocker Citizens National Bank). [Additional Reference(s): DWR Levee Log, 2005, 36-inch pipe listed. USACE Sacramento O&M Manual 119, December 1952, (Station 208+00 ""PCT""), listed as a 24-inch pipe]. FS Date: 4/10/2014 2:29:00 PM						

Photo 1 of 2 : UCIP_SP_2019_53864_60374.jpg



LS slide gate

LM Start	6.34	Rating **	M	Issue No.	66 (cont)
LM End	6.34	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_SP_2019_53864_60373.jpg



WS flap gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	6.44	Rating **	M	Issue No.	67	
LM End	6.44	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.517828 °		38.517828 °
				-121.773010 °		-121.773010 °
DWR ID	16643					
Comment Code						
Inspector Comment						
FS_ID:33348 DS_ID:16643 EP_NO: 7279 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: There is no handle on the slide gate operation mechanism and there is a large rootball blocking the outlet on WS. FIELD_STRUCT_DESC: 48-inch reinforced concrete drainage pipe through the levee, 26 feet below the crown. Slide gate in concrete box on the waterside (WS) slope of the levee. Drop inlet and weir inlet at the landside (LS) toe. Concrete headwall at outlet. Flap gate on the WS end is off. (Permit No. 7279, 1971 - State of California, Department of Public Works, Division of Highways and Bridges). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/10/2014 2:29:24 PM						

LM Start	6.44	Rating **	M	Issue No.	67 (cont)
LM End	6.44	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2019_33348_60367.jpg



Dropinlet at LS toe.

Photo 2 of 3 : UCIP_SP_2019_33348_60370.jpg



Weir inlet at pond on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	6.44	Rating **	M	Issue No.	67 (cont)	
LM End	6.44	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.517828 °		38.517828 °
				-121.773010 °		-121.773010 °
DWR ID	16643					
Comment Code						
Inspector Comment						
FS_ID:33348 DS_ID:16643 EP_NO: 7279 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: There is no handle on the slide gate operation mechanism and there is a large rootball blocking the outlet on WS. FIELD_STRUCT_DESC: 48-inch reinforced concrete drainage pipe through the levee, 26 feet below the crown. Slide gate in concrete box on the waterside (WS) slope of the levee. Drop inlet and weir inlet at the landside (LS) toe. Concrete headwall at outlet. Flap gate on the WS end is off. (Permit No. 7279, 1971 - State of California, Department of Public Works, Division of Highways and Bridges). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/10/2014 2:29:24 PM						

Photo 3 of 3 : UCIP_SP_2019_33348_60369.jpg



WS headwall and outfall showing rootball blocking pipe

LM Start	6.49	Rating **	U	Issue No.	39
LM End	6.49	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518247 °	38.518247 °
				-121.773805 °	-121.773805 °
DWR ID	DWR_ST0007_02_f_2016_39				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Three small walnut trees on the waterside shoulder should be removed.					

Photo 1 of 1 : SP_2019_ST0007_283_39_20190311_00016.jpg



View looking upstream of walnut trees on the waterside slope (September 2018).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	6.53	Rating **	U	Issue No.	41
LM End	6.71	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518497 °	38.519953 °
				-121.774398 °	-121.777080 °
DWR ID	DWR_ST0007_02_s_2017_41				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Bamboo being introduced by landowner on the waterside berm. This is unauthorized.					

Photo 1 of 2 : SP_2019_ST0007_283_41_20190311_00017.jpg



Unauthorized planting of arundo plants.

LM Start	6.53	Rating **	U	Issue No.	41 (cont)
LM End	6.71	Issue Type +	En	Location *	WS

Photo 2 of 2 : SP_2019_ST0007_283_41_20190311_00018.jpg



Waterward berm landowner has several hundred bamboo plants and other crops on waterside.

LM Start	6.54	Rating **	M	Issue No.	27
LM End	6.70	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.518590 °	38.519875 °
				-121.774528 °	-121.776912 °
DWR ID	DWR_ST0007_02_f_2017_27				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Trees are still present and should be removed.					

Photo 1 of 1 : SP_2019_ST0007_283_27_20190311_00005.jpg



View of small nut trees planted on waterside berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	6.56	Rating **	M	Issue No.	11
LM End	6.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518760 °	38.519938 °
				-121.774927 °	-121.776952 °
DWR ID	DWR_ST0007_02_s_2012_11				
Comment Code					
MA : Material					
Inspector Comment					
Shipping containers, storage units and other items/debris on the landside easement need to be moved.					

Photo 1 of 1 : SP_2019_ST0007_283_11_20190311_00003.jpg



View looking downstream at some of the debris on the landside slope almost up to the crown (September 2018).

LM Start	6.65	Rating **	M	Issue No.	68
LM End	6.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.519470 °	38.519470 °
				-121.776150 °	-121.776150 °
DWR ID	16633				
Comment Code					
Inspector Comment					
FS_ID:33346					
DS_ID:16633					
EP_NO: 10276					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe heavily clogged with soil. Will contact owner of pipe and ask to clean for inspection.					
FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 6 feet below the crown. Slide gate on the waterside (WS) end, and headwalls on both ends. (24-inch pipe [HLM 6.83] authorized under Automatic Board Order (ABO) issued as Permit No. 10276, 1974 - Patricia Schlabes). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 237+50 ""PCT"")].					
FS Date: 4/10/2014 2:28:29 PM					

Photo 1 of 2 : UCIP_SP_2019_33346_60364.jpg



WS slide gate showing soil plug

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	6.65	Rating **	M	Issue No.	68 (cont)	
LM End	6.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.519470 °		38.519470 °
				-121.776150 °		-121.776150 °
DWR ID	16633					
Comment Code						
Inspector Comment						
FS_ID:33346 DS_ID:16633 EP_NO: 10276 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe heavily clogged with soil. Will contact owner of pipe and ask to clean for inspection. FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 6 feet below the crown. Slide gate on the waterside (WS) end, and headwalls on both ends. (24-inch pipe [HLM 6.83] authorized under Automatic Board Order (ABO) issued as Permit No. 10276, 1974 - Patricia Schlabes). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 119, December 1952, (Station 237+50 ""PCT"")]. FS Date: 4/10/2014 2:28:29 PM						

Photo 2 of 2 : UCIP_SP_2019_33346_60363.jpg



LS headwall showing soil plug

LM Start	6.70	Rating **	U	Issue No.	48
LM End	6.70	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.519927 °	38.519927 °
				-121.777033 °	-121.777033 °
DWR ID	DWR_ST0007_02_s_2017_48				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the unauthorized bamboo plantings from the landside levee section (Fall 2018).					

Photo 1 of 1 : SP_2019_ST0007_283_48_20190311_00020.jpg



Levee mile 6.70 at the District's gate landowner has placed several bamboo plantings against the gate way landward.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.20	04/18/2019 04/18/2019	David Julian

LM Start	6.71	Rating **	U	Issue No.	35
LM End	6.74	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.519980 °	38.520198 °
				-121.777138 °	-121.777535 °
DWR ID	DWR_ST0007_02_f_2018_35				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove bamboo pots from waterside crown.					

Photo 1 of 1 : SP_2019_ST0007_283_35_20190311_00015.jpg



View of bamboo in pots on the crown (September 2018).

LM Start	6.88	Rating **	M	Issue No.	46
LM End	6.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.521408 °	38.521547 °
				-121.779775 °	-121.780033 °
DWR ID	DWR_ST0007_02_s_2017_46				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Stalks less than 1 inch in diameter can be trimmed and thinned.					

No Photos

LM Start	7.00	Rating **	U	Issue No.	47
LM End	7.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.522328 °	38.522393 °
				-121.781447 °	-121.781663 °
DWR ID	DWR_ST0007_02_s_2017_47				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
These elderberries are blocking view of levee section and blocking access to a portion of the shoulder waterward. Some of these stalks are less than 1.0 inch and could be thinned out.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	